

(No Model.)

2 Sheets—Sheet 1.

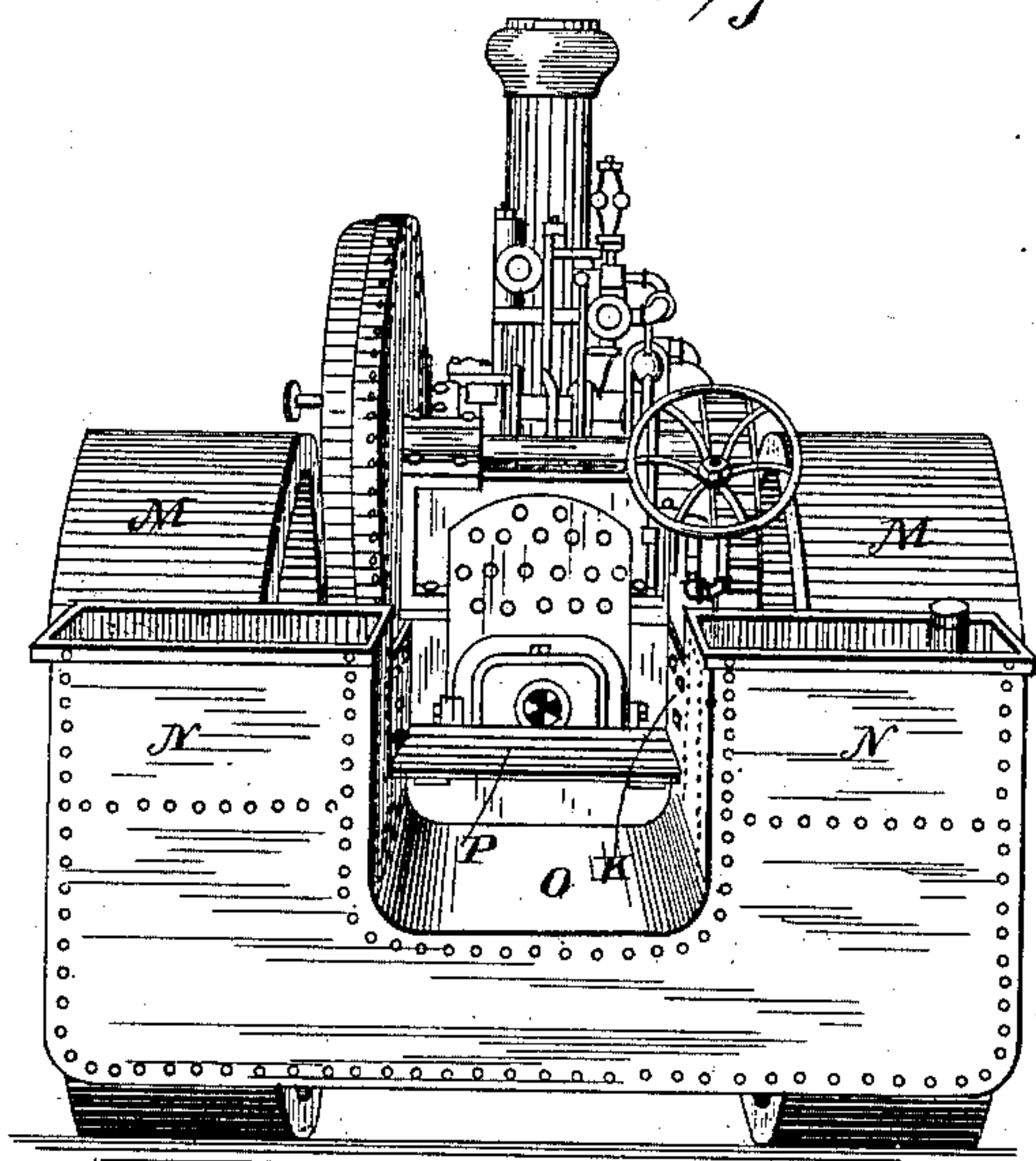
M. E. HERSHEY.

TRACTION ENGINE.

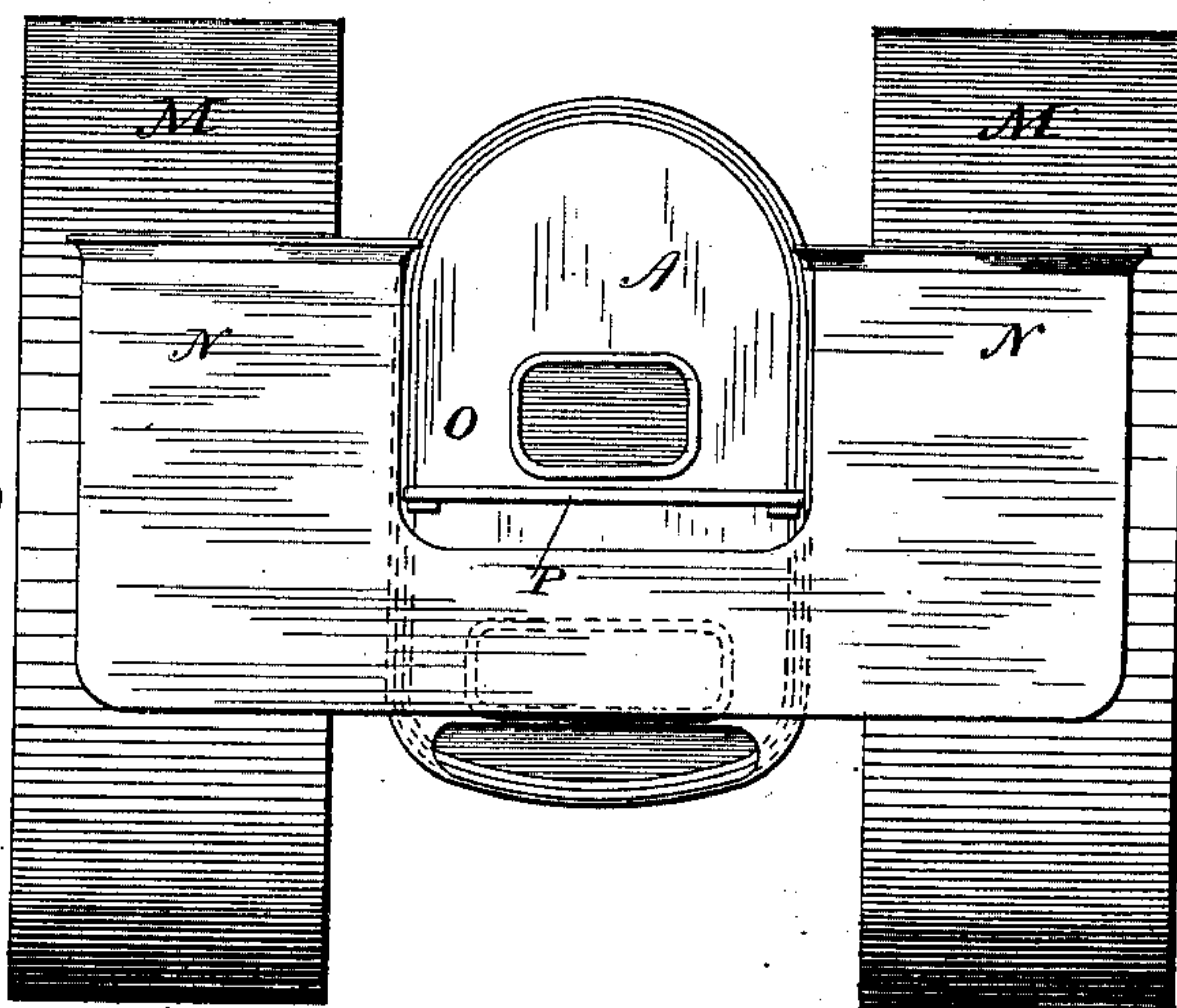
No. 375,815.

Patented Jan. 3, 1888.

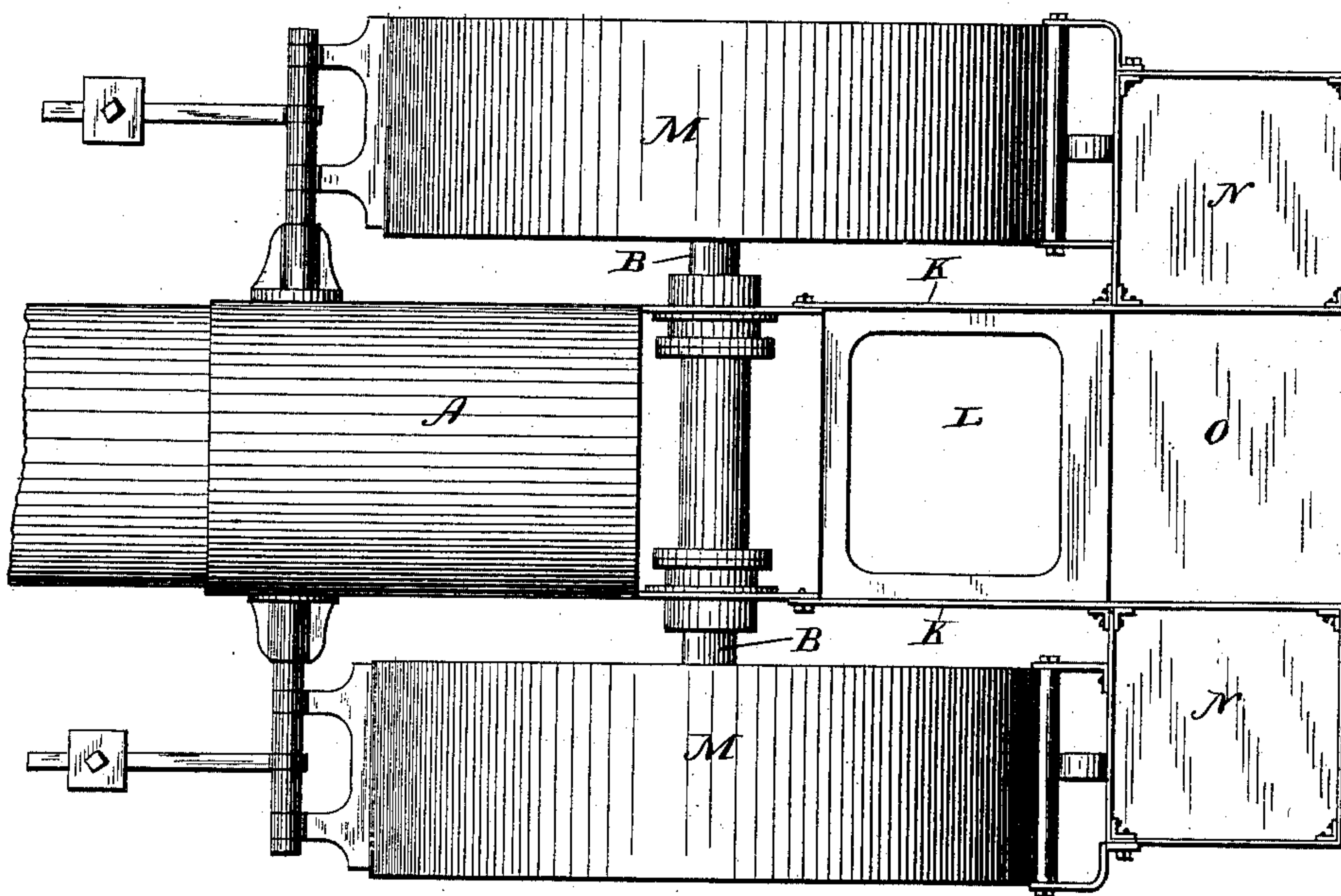
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses.

Chas. R. Burd.  
A. J. Stewart.

Inventor

Martin E. Hershey,  
by Church & Church,  
his Attorneys.

(No Model.)

2 Sheets—Sheet 2.

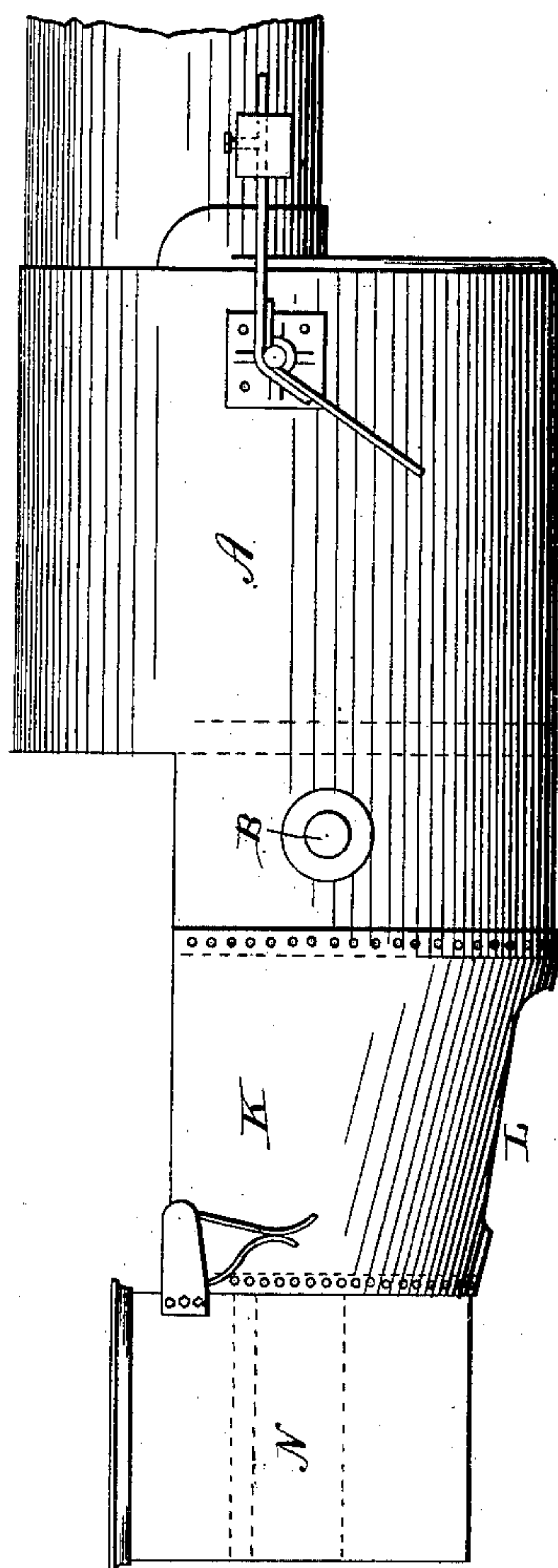
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*Fig. 4.*



Witnesses.  
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# UNITED STATES PATENT OFFICE.

MARTIN E. HERSHEY, OF HARRISBURG, PENNSYLVANIA.

## TRACTION-ENGINE.

SPECIFICATION forming part of Letters Patent No. 375,815, dated January 3, 1888.

Application filed April 29, 1887. Serial No. 236,586. (No model.)

*To all whom it may concern:*

Be it known that I, MARTIN E. HERSHEY, of Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Traction-Engines or Road-Rollers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the figures and letters of reference marked thereon.

My improvements have relation to the construction of the boiler and water-tanks of machines of this class, and will be first described at length, and the novelty of them will be then particularly pointed out in the clauses of claim at the end of this specification.

In the accompanying drawings, Figure 1 is a perspective view of a road-roller embodying my said improvements. Fig. 2 is an end view, and Fig. 3 a top plan view, of a portion of the machine, showing the construction of the tanks. Fig. 4 is a side elevation of the connection between the tank and boiler or fire-box.

Similar letters of reference in the several figures indicate the same parts.

The letter A indicates the boiler, B the main axle, and M the ground-wheels. An extension-sheet, K, is bolted or otherwise secured to the boiler or fire-box extension, and extends rearward and around under the fire-box, being provided with an opening or openings, L, for the discharge of the ashes and cinders raked from the latter. To the rear of this extension-sheet, at a point behind the ground-wheels M M of the machine, a tank, N, is secured, preferably by flanges or angle-irons, as shown in Fig. 3.

The tank is constructed of U-shaped form, so as to leave a central passage-way, O, through which access to the fire and ash-pit can be readily had. One of its compartments may be

used for carrying water and the other for fuel; or both may be employed for either purpose, as desired.

By reason of the curved or circular form of the extension-sheet K, a very rigid connection is made between the boiler and tank without unnecessary weight of material.

A wooden or metal platform, P, is preferably arranged in the passage-way over the extension-sheet, for the engineer to stand upon.

Having thus described my invention, what I claim as new is—

1. In a traction-engine or road-roller, the combination, with the boiler, of a tank rigidly connected thereto, having the central passage-way and the upwardly-extending side portions, substantially as described.

2. In a traction-engine or road-roller, a tank rigidly connected to the boiler and constructed of U form, so as to afford a convenient passage-way to the fire-box, substantially as described.

3. The fire box having an extension-sheet passing around its bottom and extending to the rear, in combination with a tank or tanks attached to said extension-sheet, substantially in the manner described, and for the purpose specified.

4. The combination, with the fire-box, of the curved extension-sheet having the opening for the discharge of cinders and ashes drawn from the fire-box, and the U-shaped tank secured to said extension-sheet, substantially as described.

5. The combination, with the fire-box, of the curved extension-sheet, the U shaped tank secured to it, and the platform in the housing over the extension-sheet, substantially as described.

MARTIN E. HERSHEY.

Witnesses:

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